

Liquid biopsy workflows for cancer research

May 2019—Qiagen introduced its exoRNeasy Midi and Maxi kits for isolation of exosomes and other extracellular vesicles from urine and other samples and its miRNeasy 96 Advanced QIAcube HT Kit for automated purification of total RNA, including miRNA, from serum and plasma samples.

The exoRNeasy Midi and exoRNeasy Maxi kits use membrane affinity technology to isolate highly pure RNA from exosomes and other extracellular vesicles circulating in biofluids such as urine, serum, plasma, cerebrospinal fluid, and cell culture supernatant. The Midi column enables processing of smaller sample volumes (1 mL of serum or plasma and 4 mL or less of urine), and the Maxi format uses sample volumes of up to 4 mL of serum or plasma, 16 mL of urine, and 32 mL of cell culture supernatant.

The miRNeasy 96 Advanced QIAcube HT Kit is designed for automated high-throughput purification of cell-free total RNA, primarily miRNA and other small RNA, from small volumes of serum and plasma on the QIAcube HT instrument. The phenol-free protocol uses spin column technology in a 96 well format. The kit is compatible with many blood collection devices.

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